



RevDesinfectie deploys Xenex LightStrike robots in pharma cleanroom

*The technology by the Texas-based infection prevention company
is designed to disinfect rooms in four or five-minute cycles*

Recognising the potential of new technology for enhanced contamination control in cleanrooms where pharmaceuticals are made, RevDesinfectie Robots recently evaluated Xenex Disinfection Systems' pulsed xenon ultraviolet (UV) light disinfection robots in live production cleanrooms.

As a result of the successful testing, one of the world's largest pharmaceutical companies purchased and deployed Xenex LightStrike Germ-Zapping Robots to decontaminate and disinfect cleanrooms in five of its facilities in the US and Europe.

"We strongly believe that the LightStrike technology is a breakthrough in the field of environmental disinfection, first in healthcare facilities and now for cleanroom contamination control," said Eric Hesp, spokesperson for RevDesinfectie Robots.

"The LightStrike robot was tested over multiple years for its ability to impact common cleanroom microorganisms while maintaining cleanroom compliance and the results were outstanding, which led to its adoption by a major pharmaceutical company."

Flashing pulsed xenon

More than 450 healthcare facilities around the world use LightStrike robots for room disinfection as part of their infection prevention programme.

LightStrike robots utilise pulsed xenon to create intense flashes of germicidal ultraviolet (UV) light that quickly destroys bacteria, viruses, mould, fungus and spores.

A portable unit, LightStrike robot has been designed to disinfect rooms in four or five-minute cycles (depending on the robot model) without warm-up or cool-down times.

Global market research

RevDesinfectie Robots, the exclusive distributor of LightStrike robots in the Netherlands, Belgium and Luxembourg (Benelux), facilitated testing of the LightStrike robots in cleanrooms during a two-year period.

First, in partnership with a global pharmaceutical company, they conducted over 150 evaluations to confirm the decontamination efficacy of the robot.

The initial study was followed by usability testing and workflow analysis in actual production cleanrooms. Findings validated the LightStrike robots for cleanroom use, confirming that they were effective at bringing down contamination levels within the cleanrooms.

Protocols for routine use were developed and analysed as well as a complete cleanroom validation package.

“The use of our technology to disinfect pharmaceutical cleanrooms is an exciting validation of the LightStrike robots in a new industry,” said Dr Mark Stibich, co-founder and Chief Scientific Officer for Xenex.

Pointing out that the efficacy of our LightStrike robots in destroying germs and bacteria in hospitals has been proven in numerous studies, Stibich noted this is the first time the technology has been evaluated in a manufacturing environment.

"Using LightStrike robots to provide additional assurance in its cleanrooms will enable pharmaceutical companies to maximise the utilization of their cleanrooms," he said.

LightStrike robots have been studied extensively in the hospital environment and credited in numerous peer-reviewed, published studies with helping hospitals decrease their Clostridium difficile (C. diff), Methicillin-resistant Staphylococcus aureus (MRSA) and surgical site infection (SSI) rates ranging from 46%-100%.

Xenex Disinfection Systems is backed by well-known investors that include EW Healthcare Partners, Piper Jaffray Merchant Services, Malin Corporation, Battery Ventures, Tectonic Ventures, Targeted Technology Fund II and RK Ventures.

Founded by three experienced businessmen who have supplied hi-tech medical equipment and information systems to healthcare facilities in the Netherlands, Belgium and Luxembourg for more than two decades, RevDesinfectie Robots is focused on supplying hospitals with the best disinfection system available to enhance patient and healthcare worker safety.

Source:

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